

3rd Harmonic Monday Meeting Minutes

Date: August 21, 2006

Time: 9:30 A.M.

Place: Trailer 157 Conference Room

Attendees (P=Present):

C. Antoine	P	C. Cooper	P	E. Harms	P	A. Rowe	
T. Arkan	P	N. Dhanaraj	P	T. Khabiboulline		N. Solyak	
L. Bellantoni		H. Edwards		D. Mitchell	P	W-D Moeller	P
C. Boffo	P	M. Foley	P	D. Olis	P	G. Wu	P
H. Carter	P	C. Ginsburg		P. Pfund			

Minutes recorded by Dan

Minutes are posted at: http://tdserver1.fnal.gov/dolis/39GHz_minutes.html

3.9GHz Project page is: www-a0.fnal.gov

Meeting Minutes

HOM bodies

- Don Mitchell showed some pictures from his 3D model of Timer's revised design of F-probe. Don will email to Timer for his review of dim's since he is at LINAC conference this week.
- Genfa reports that tensile tests on weld samples of niobium show no embrittlement at room temperature.
- W-D Moeller reports that DESY saw no evidence of multipacting on 1.3GHz cavity HOM bodies in past tests on 1.3GHz cavities in the range of 0.2 to 1 MV/m. A more systematic measurement may be done during next test.

HOM Couplers

- Elvin reports that remaining (14) couplers should be shipped from Ceramtec in next two weeks.
- He has some questions on new coupler design that he'll discuss with Don M. He intends to initially procure three.

Cavity fabrication and JLAB PO

- M. Foley reports that JLAB (Bob Manus) intends to ship cavity-3 by today (after completing bead pull measurement as baseline).
- Cavities 4, 5, and 6 on hold. Mike will go ahead and seam-weld enough end tubes (14 total) for these and possible replacements on 4-8.
- Mike emailed Gary Davis in purchasing to have PO with JLAB extended again from 8/31 to 12/31.

Input Couplers

- D. Olis reports that QC is finished and seven subassemblies that failed inspection are en route back to CPI. Dan and W-D Moeller will visit CPI next week to discuss problems assuming OK is rec'd from CPI.
- One coupler is installed on cavity-1 for room temperature coupling test of antenna to cavity. Test is on-going.

MDL Operation

- There is some conflicting information on when MDL can expect to operate again and what kind of review(s) is required. Harry will sort it out with Romesh.
- Harry will propose that a single ORC be written that will refer to many JHA's.
- Current hope is to etch 8/30 and 8/31 so Mike can weld on 8/31 and 9/1. The etch dates will be demonstration of operation for reviewers.

Other Business

- Don M. reports that PO for fabrication of vacuum vessel has been awarded to a Canadian firm for \$36k. Don will contact them to discuss method of fabrication to meet tolerances on location of main coupler flange.
- Mike says ~\$150k PO awarded to Roark for industrialization study on cavity fabrication using 18.1 funds. Study includes 3-phases of fabrication: a single cell cavity, cavity end groups, and single 9-cell cavity. End group design ultimately fabricated in phase 2 will include redesigned HOM body.
- W-D Moeller reports that MOU is in the works for shipment of (3) couplers and (2) cavities from DESY (1.3GHz).
- Elvin is sending a poster for LINAC conference this week.